GHERARDI, F., TARDUCCI, F. and MICHELI, F. Energy maximization and foraging strategies in *Potamon fluviatile* (Decapoda, Brachyura) 233
GILBERT, J.J. and MacISAAC, H.J. The susceptibility of *Keratella cochlearis* to interference from small cladocerans 333
GRAÇA, M.A.S., FONSECA, D.M. and CASTRO, S.T. The distribution of macroinvetebrate communities in two Portuguese rivers 297

HEGGE, O., DERVO, B.K., SKURDAL, J. and HESSEN, D.O. Habitat utilization by sympatric arctic charr (*Salvelinus alpinus* (L.)) and brown trout (*Salmo trutta* L.) in Lake Atnsjø, south-east Norway 143
HESSEN, D.O., *see* HEGGE, O.
HJERMIND, L., *see* SAND-JENSEN, K.

IRVINE, K., MOSS, B. and BALLS, H. The loss of submerged plants with eutrophication. II. Relationships between fish and zooplankton in a set of experimental ponds, and conclusions 89
IRVINE, K., *see also* BALLS, H., *see also* STANSFIELD, J.
IVERSEN, T.M. and DALL, P. The effect of growth pattern, sampling interval and number of size classes on benthic invertebrate production estimated by the size–frequency method 323
IVERSEN, T.M., *see also* SAND-JENSEN, K.

JEPPESEN, E., *see* SAND-JENSEN, K.
JONES, S.E. and LOCK, M.A. Hydrolytic extracellular enzyme activity in heterotrophic biofilms from two contrasting streams 289

LAKE, P.S., *see* DOEG, T.J.
LEAN, D.R.S., *see* MAZUMDER, A.
LOCK, M.A., *see* JONES, S.E.

MacISAAC, H.J., *see* GILBERT, J.J.
MALTHUS, T.J. and MITCHELL, S.F. On the occurrence, causes and potential consequences of low zooplankton to phytoplankton ratios in New Zealand lakes 383
MARCHANT, R., *see* DOEG, T.J.
MARTEN, M. and ZWICK, P. The temperature dependence of embryonic and larval development in *Protonemura intrica* (Plecoptera: Nemouridae) 1
MAZUMDER, A., TAYLOR, W.D., McQUEEN, D.J. and LEAN, D.R.S. Effects of nutrients and grazers on periphyton phosphorus in lake enclosures 405
McQUEEN, D.J., *see* MAZUMDER, A.
MELACK, J.M., *see* ENGLE, D.L.
MICHELI, F., *see* GHERARDI, F.
MITCHELL, S.F., *see* MALTHUS, T.J.
MOSS, B., *see* BALLS, H., *see also* IRVINE, K., *see also* STANSFIELD, J.

NIELSEN, K., *see* SAND-JENSEN, K.
NIELSEN, L.W., *see* SAND-JENSEN, K.

ORMEROD, S.J., *see* RUTT, G.P.

POWER, M.E., *see* FEMINELLA, J.W.
PRITCHARD, K.L., *see* COMPTON, R.G.

REEDERS, H.H., DE VAATE, A.B. and SLIM, F.J. The filtration rate of *Dreissena polymorpha* (Bivalvia) in three Dutch lakes with reference to biological water quality management 133
RESH, V.H., *see* FEMINELLA, J.W.
RUTT, G.P., WEATHERLY, N.S. and ORMEROD, S.J. Microhabitat availability in Welsh moorland and forest streams as a determinant of macroinvertebrate distribution 247

SALT, G.W. Comparisons of the diets and reproductive performances of two sympatric rotifers, *Asplanchna girodi* and *Asplanchna priodonta* 417
SAND-JENSEN, K., BORG, D. and JEPPESEN, E. Biomass and oxygen dynamics of the epiphyte community in a Danish lowland stream 431
SAND-JENSEN, K., JEPPESEN, E., NIELSEN, K., VAN DER BIJL, L., HJERMIND, L., NIELSEN, L.W. and IVERSEN, T.M. Growth of macrophytes and ecosystem consequences in a lowland Danish stream 15
SKURDAL, J., *see* HEGGE, O.
SLIM, F.J., *see* REEDERS, H.H.

SMOCK, L.A., *see* STROMMER, J.L.
STANSFIELD, J., MOSS, B. and IRVINE, K. The loss of submerged plants with eutrophication. III. Potential role of organochlorine pesticides: a palaeoecological study 109
STROMMER, J.L. and SMOCK, L.A. Vertical distribution and abundance of invertebrates within the sandy substrate of a low-gradient headwater stream 263

TARDUCCI, F., *see* GHERARDI, F.
TAYLOR, W.D., *see* MAZUMDER, A., *see also* ZINABU, G.-M.

UNWIN, P.R., *see* COMPTON, R.G.

VAN DER BIJL, L., *see* SAND-JENSEN, K.

WARINGER, J.A. Life cycle, horizontal microdistribution and current resistance of *Allogamus auricollis* (Trichoptera: Limnephilidae) in an Austrian mountain brook 177
WEATHERLEY, N.S., *see* RUTT, G.P.
WILLIAMS, D.D. Towards a biological and chemical definition of the hyporheic zone in two Canadian rivers 189
WOLF, H.G. and CARVALHO, G.R. Resting eggs of lake-*Daphnia*. II. *In situ* observations on the hatching of eggs and their contribution to population and community structure 471
WOLF, H.G., *see also* CARVALHO, G.R.

ZINABU, G.-M. and TAYLOR, W.D. Heterotrophic bacterioplankton production and grazing mortality rates in an Ethiopian rift-valley lake (Awassa) 369
ZINABU, G.-M. and TAYLOR, W.D. Seasonality and spatial variation in abundance, biomass and activity of heterotrophic bacterioplankton in relation to some biotic and abiotic variables in an Ethiopian rift-valley lake (Awassa) 355
ZWICK, P., *see* MARTEN, M.